logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEGRI   80
NTDB id 1131 NGFG RS05740 WP 003695064.1     MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEGRI   80
NTDB id 624 LCA RS00040 WP 011373726.1       .MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDR..EADFINCVIWRKSAENFANFTKKGSLVGVDGRL   77
NTDB id 1057139 ACFIOM RS06105 WP 033842379.1 .MINRTILVGRLTRDPELRTTQSGVNVASFTLAVNRTFTNAQGER..EADFINIIVFKKQAENVNKYLSKGSLTGVDGRL   77
NTDB id 113 BSU 40900 NP 391970.1            .MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGER..EADFINCVTWRRQAENVANFLKKGSLAGVDGRL   77
NTDB id 112 BSU 36310 NP 391512.2            .MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEI..EADYVNCTLWRKTAENTALYCQKGSLVGVSGRI   77
consensus                                     **!***!*!!!**!***!**  ! *!* ***!***** * *!**  *****!  **** !!* **********!!*!****!!*
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      QSRKYQGKDGIERTAYDIVANEMKMLGGRNENSGGA.PYEE.........GYGQSQEAYQRPAQQSRQPASDAPSHPQEA   150
NTDB id 1131 NGFG RS05740 WP 003695064.1     QSRKYQGKDGIERTAYDIVANEMKMLGGRNENSGGA.PYDE.........GYGQSQEAYQRPAQQSRQPAPDAPSHPQEA   150
NTDB id 624 LCA RS00040 WP 011373726.1       QTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQ..SNGSQQSGFTSPQQTGNAPAANN...TQAD   152
NTDB id 1057139 ACFIOM RS06105 WP 033842379.1 QTRNYENKEGQRVYVTEVIADSIQFLEPKNSNDTQQDLYQQQAQQ.....SRGQSQY...........PYNKP...VKDN   138
NTDB id 113 BSU 40900 NP 391970.1            QTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNS...FNDD   154
NTDB id 112 BSU 36310 NP 391512.2            QTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.....................................   113
consensus                                    !*! !** *!  *********** *  ** **    *   *              ** *  *    *    *        **
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      PAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1     PAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 624 LCA RS00040 WP 011373726.1       PF......ANNGQAIDISDDDLPF   170
NTDB id 1057139 ACFIOM RS06105 WP 033842379.1 PF......ANANDPIEIDDDDLPF   156
NTDB id 113 BSU 40900 NP 391970.1            PF......ANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2            ........................   113
consensus                                    *           * ***   ******
```

X non conserved

X similar

X ≥ 50% conserved